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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE

HENRY S. GRAVES, Forester.

April Field Program, 1918.

This program of field work assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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Lumber studies.—Henry V. Hegel, in charge; D. G. White.

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ROADS.—T. W. NORCROSS, assistant chief engineer, in charge.

WATER POWER.—L. A. WHITSIT, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge (temporarily on detail to the Forest Products Laboratory); C. A. KOLB, geographer.

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STUDIES.—L. C. HURTT, grazing examiner.

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CLAIMS.—P. J. O'BRIEN.

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LAND CLASSIFICATION.—C. B. SWIM, assistant.

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WASHINGTON.

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W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester; E. N. KAVANAGH, inspector of grazing.

STUDIES.—R. R. HILL, MURRELL W. TALBOTT, HUGH M. BRYAN, and PAUL H. ROBERTS, grazing examiners.

LANDS.—FRANK E. ANDREWS, national forest examiner in charge. Classification: REX KING, forest examiner.

ENGINEERING.—_____.

ROADS.—C. A. LONG, acting.

WATER POWER.—C. A. LONG, acting.

MAPS AND SURVEYS.—LEE C. DAVES, acting.

Entry Surveys.—R. P. A. JOHNSON, surveyor.

EXPERIMENT STATION.

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NATIONAL FORESTS.

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Crook.—T. T. SWIFT, forest supervisor, Safford (WU-WF).

Prescott.—EDWARD G. MILLER, forest supervisor, Prescott (WU-WF); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P-WF).

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU-WF); J. H. Sizer, deputy forest supervisor.

Tusayan.—IRA T. YARNALL, forest supervisor, Williams; Francis L. W. Grubb, deputy forest supervisor (WU, P-WF).

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Coronado.—See Arizona.

Datil.—AUSBURN H. DOUGLAS, forest supervisor, Magdalena (WU, P-WF) ; Robert Munro, deputy forest supervisor.

Gila.—FREDERIC WINN, forest supervisor, Silver City (WU, P-WF) ; James A. Scott, deputy forest supervisor. Fort Bayard Nursery, H. C. Turner, forest planting assistant.

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STUDIES.—MARK ANDERSON, R. J. BECRAFT, B. S. MARTINEAU, and L. J. PALMER, grazing examiners.

LANDS.—C. N. WOODS, assistant district forester; R. E. GERY, assistant; W. B. RICE, in charge of land classification; R. D. GARVER, in charge of entry surveys.

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ENGINEERING.—J. P. MARTIN, district engineer.

MAPS AND SURVEYS.——.

Drafting.—F. I. SHAFFER, in charge.

ROADS.—J. P. MARTIN, in charge.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Great Basin, Manti National Forest.—ARTHUR W. SAMPSON, plant ecologist, in charge, Ephraim, Utah; F. S. Baker, forest examiner (on detail, Washington office).

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—LEE A. HARRIS, forest supervisor, Kanab, Utah (WU-WF).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU-Am).

Cache.—See Utah.

Caribou.—C. D. SIMPSON, forest supervisor, Montpelier (WU-Am); G. G. Henderson, deputy forest supervisor; T. B. Nichols, grazing studies.

Challis.—DAVID LAING, forest supervisor, Challis (WU-Am).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU, P); J. C. Roak, deputy forest supervisor.

Lemhi.—VERNON METCALF, forest supervisor, Mackay (WU-Am); C. F. Evans, forest examiner.

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU-Am); J. W. Stokes, forest examiner (on detail, Washington office).

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU-Am); F. S. Moore, deputy forest supervisor.

Salmon.—DANA PARKINSON, forest supervisor, Salmon (WU-Am); S. C. Scribner, deputy forest supervisor.

Sawtooth.—HERBERT G. MCPHETERS, forest supervisor, Hailey (WU-Am); Leslie E. Dodge, deputy forest supervisor.

- Targhee.**—SAM'L W. STODDARD, forest supervisor, St. Anthony (WU-Am) ; John N. Kinney, deputy forest supervisor.
Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU-Am) ; T. V. Pearson, deputy forest supervisor.

NEVADA.

- Humbolt.**—CLARENCE E. FAVRE, forest supervisor, Elko (WU-WF) ; Chas. DeMoisy, deputy forest supervisor.

Nevada.—F. L. MOTT, forest supervisor, Ely (WU-WF).

- Toiyabe.**—W. W. BLAKESLEE, forest supervisor, Austin (WU, P-WF) ; Raymond G. Steele, deputy forest supervisor, Manhattan.

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU-WF).

- Cache.**—E. C. SHEPARD, forest supervisor, Logan (WU-Am) ; Edmund B. S. Spencer, deputy forest supervisor.

Dixie.—WM. M. MACE, forest supervisor, St. George (WU-WF).

- Fillmore.**—JOHN RAPHAEL, forest supervisor, Richfield (WU-WF) ; Bert L. Robins, deputy forest supervisor.

Fishlake.—C. A. MATTSSON, forest supervisor, Salina (WU-WF) ; David A. Arrivee, deputy forest supervisor.

La Sal.—S. B. LOCKE, forest supervisor, Moab (WU-WF).

Manti.—B. E. MATTSSON, forest supervisor, Ephraim (WU-WF).

Minidoka.—See Idaho.

Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).

- Sevier.**—J. W. HUMPHREY, forest supervisor, Panguitch (WU-WF) ; Wallace M. Riddle, deputy forest supervisor.

Uinta.—A. W. JENSEN, forest supervisor, Provo (WU-WF) ; J. Carl Allred, deputy forest supervisor.

- Wasatch.**—CARL B. ARENTSON, forest supervisor, Salt Lake City (WU, P-Am, WF) ; Louis B. Koch, scaler, in charge of Standard Timber Co. sale.

WYOMING.

Teton.—R. E. MILLER, forest supervisor, Jackson (WU-Am).

- Wyoming.**—CHARLES A. BEAM, forest supervisor, Afton (WU-Am) ; Nils B. Eckbo, forest examiner.

DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Cal.

ROY HEADLEY, acting district forester.

INFORMATION.—R. F. HAMMATT, in charge.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—CLARENCE WILEY, national forest inspector, in charge.

FIRE PROTECTION.——.

IMPROVEMENTS.——.

TELEPHONE ENGINEERING.—FREDERICK H. HAFLY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

SILVICULTURE.—T. D. WOODBURY, assistant district forester.

LOGGING ENGINEERING.—D. C. BIRCH, forest examiner.

TIMBER SALES.—J. C. ELLIOTT, lumberman.

TIMBER SURVEYS.—O. M. EVANS, forest examiner.

FOREST INVESTIGATIONS.—STUART B. SHOW, forest examiner.

INSECT CONTROL.—RALPH HOPPING, national forest examiner.

FOREST PATHOLOGY.—E. P. MEINECKE, consulting pathologist.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, national forest inspector.

MINERAL EXAMINATION.—W. H. FRIEDHOFF, mineral examiner.

LAND CLASSIFICATION AND ENTRY SURVEYS.—P. L. DAY, national forest examiner in charge of field work.

ENGINEERING.—F. H. FOWLER, district engineer; J. C. DORT, assistant district engineer.

WATER POWER.—F. H. FOWLER.

MAPS AND SURVEYS.—J. C. DORT.

Drafting.—R. E. L. BORGFELDT.

PRODUCTS.—CARY L. HILL, forest examiner, acting in charge.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF).

California.—J. D. COFFMAN, forest supervisor, Alder Springs (WU via Willows-WF via Fruto); B. H. Mace, deputy forest supervisor.

Cleveland.—M. RAYMOND TILLOTSON, forest supervisor, Escondido (WU-WF).

Eldorado.—EDWARD I. KOTOK, forest supervisor, Placerville (WU-WF).

Inyo.—C. E. JORDAN, forest supervisor, Bishop (WU-WF).

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF).

Lassen.—JAMES O. MORROW, forest supervisor, Red Bluff (P-WF).

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU-WF).

Mono.—See Nevada.

Monterey.—See Santa Barbara.

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU-Am) ; Frank B. Cayot, deputy forest supervisor ; George R. Orr, forest examiner.

Santa Barbara.—J. R. HALL, forest supervisor, Santa Barbara (P-WF).

Sequoia.—F. P. CUNNINGHAM, forest supervisor, Bakersfield (WU-WF) ; George W. Lyons, deputy forest supervisor.

Shasta.—N. H. SLOANE, forest supervisor, Sisson (P-WF) ; E. B. Long, lumberman ; Belknap C. Goldsmith, forest examiner. Pilgrim Creek Nursery.

Sierra.—M. A. BENEDICT, forest supervisor, Northfork (WU via Friant-WF via Friant) ; J. V. Wulff, forest examiner.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU-WF) ; T. C. West, deputy forest supervisor.

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF) ; W. A. Merrill, deputy forest supervisor.

Trinity.—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF) ; Ernst V. Jotter, forest examiner.

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester ; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester ; M. L. MERRITT, assistant in improvement work ; C. M. ALLEN, telephone engineer.

MAINTENANCE.—H. M. WHITE.

INSPECTION (Protection of Oregon & California Railroad lands and cooperation under Weeks law).—R. H. CHAPLER, forest examiner.

SILVICULTURE.—THORNTON T. MUNGER, forest examiner, in charge ; W. T. ANDREWS and L. A. NELSON, logging engineers ; EDWIN C. ERICKSON, lumberman ; BRUCE E. HOFFMAN, G. A. BRIGHT, and A. A. GRIFFIN, forest examiners ; A. J. JAENICKE, forest examiner on insect control.

PLANTING.—J. F. KÜMMEL, forest examiner.

GRAZING.—T. P. MACKENZIE, assistant district forester; J. L. PETERSON, grazing examiner; L. E. McDANIELS, deputy forest supervisor.

LANDS.—C. J. BUCK, assistant district forester.

CLAIMS AND STATIONS.—FRANK A. LAW, Jr., clerk.

LAND CLASSIFICATION.—J. ROY HARVEY, national forest examiner.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

ENTRY SURVEYS.—A. H. WRIGHT and GEO. W. ROOT.

WASHINGTON STATE LAND EXCHANGE.—STANTON G. SMITH, forest supervisor, Seattle; WM. RYLE TEED, national forest examiner, State House, Olympia, Wash.

ENGINEERING.—_____.

MAPS AND SURVEYS.—A. H. HODGSON, in charge.

Drafting.—R. H. ROBERTSON.

Surveys.—CECIL A. LORD.

WATER POWER.—R. R. RANDELL, acting.

PRODUCTS.—_____.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Stabler, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thomas M. Hunt, forest supervisor, Seward (WU, P-WF).

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); B. F. Heintzleman, deputy forest supervisor; R. E. Kan Smith, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF); _____, deputy forest supervisor; R. S. Wallace, forest examiner.

Crater.—F. L. ERICKSON, forest supervisor, Medford (WU, P-WF); H. D. Foster, deputy forest supervisor; Fred A. Matz, national forest examiner.

Deschutes.—NORMAN G. JACOBSON, forest supervisor, Bend (WU, P); H. E. Vincent, deputy forest supervisor; W. J. Sproat, forest examiner; F. V. Horton and John C. Kuhns, grazing examiners.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev-P, WF); R. A. Bradley, deputy forest supervisor.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker-Am, WF via Baker).

Minam.—EPHRAIM BARNES, forest supervisor, Baker (WU-Am).

Ochoco.—V. V. HARPHAM, forest supervisor, Prineville (WU, PT & T-Am); Douglas C. Ingram, grazing examiner.

Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley and Carl B. Neal, deputy forest supervisors.

Santiam.—C. C. HALL, forest supervisor, Albany (WU, P-WF).

Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P-WF); D. B. Reynolds, deputy forest supervisor; H. A. Haefner, forest examiner.

Siuslaw.—H. B. RANKIN, forest supervisor, Eugene (WU, P-WF); C. T. Beach, deputy forest supervisor; H. M. Johnson, forest examiner.

Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P-Am).

Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); George Bonebrake, deputy forest supervisor.

Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); N. J. Billings, deputy forest supervisor.

Wenaha.—See Washington.

Whitman.—R. M. EVANS, forest supervisor, Baker (WU-Am); I. E. Jones, deputy forest supervisor; O. F. Ericson, T. J. Starker, George L. Drake, and A. R. Wilcox, forest examiners; Walter L. Dutton, grazing examiner.

WASHINGTON.

Chelan.—E. H. McDANIELS, forest supervisor, Chelan (PT & T-Am, GN via Wenatchee).

Columbia.—F. H. BRUNDAGE, forest supervisor, Portland, Oreg. (WU-P-Am; WF, N); W. B. Osborne, jr., forester examiner.

Colville.—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor.

Okanogan.—P. T. HARRIS, forest supervisor, Okanogan (PT & T-Am, GN via Wenatchee); H. L. Plumb, forest examiner.

Olympic.—R. L. FROMME, forest supervisor, Olympia (WU, P-Am, GN, N); A. A. Parker, deputy forest supervisor; E. J. Hanzlik, forest examiner.

Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); E. J. Fenby, deputy forest supervisor; F. B. Kellogg, forest examiner.

Snoqualmie.—STANTON G. SMITH, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor.

- Washington.**—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N); R. L. Campbell, deputy forest supervisor.
Wenaha.—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).
Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN).
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DISTRICT 7.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

WM. L. HALL, district forester.

OPERATION.—H. O. STABLER, assistant district forester.

SILVICULTURE.—F. W. REED, assistant district forester.

GRAZING.—F. W. REED, assistant district forester.

LANDS.—F. W. REED, assistant district forester; W. F. HILL, land classification.

ENGINEERING.—H. O. STABLER, assistant district forester.

NATIONAL FORESTS.

ARKANSAS.

Arkansas.—JOHN L. COBBS, jr., forest supervisor, Hot Springs (WU, P-WF, P).

Ozark.—C. J. HELLER, forest supervisor, Harrison (WU-WF).

FLORIDA.

Florida.—L. L. BISHOP, forest supervisor, Pensacola, Fla. (WU, P).

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU-WF).

PORTE RICO.

Luquillo.—E. MURRAY BRUNER, forest supervisor, Rio Piedras.

PURCHASE AREAS.

Alabama.—W. R. BARBOUR, forest examiner, in charge, Moulton, Ala.

Cherokee-Georgia.—H. G. SPAHR, forest supervisor, Blue Ridge, Ga. (WU, P-Ad).

- Monongahela.**—H. L. JOHNSON, deputy forest supervisor, Elkins, W. Va. (WU, P-Ad).
- Natural Bridge.**—J. H. FAHRENBACH, forest examiner, in charge, Buena Vista, Va. (WU, P-Ad, So).
- Pisgah** (includes Boone, Mount Mitchell, north half of Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—VERNE RHOADES, forest supervisor, Asheville, N. C. (WU, P-So).
- Savannah** (includes south half of Nantahala and the Savannah purchase areas).—R. W. SHIELDS, forest supervisor, Clayton, Ga. (WU, P-So).
- Shenandoah** (includes Shenandoah, Massanutten, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg, Va. (WU, P-Ad, So).
- Unaka.**—E. P. BUSHNELL, forest examiner, in charge, Johnson City, Tenn. (WU, P-So).
- White Top.**—H. L. RUSSELL, deputy forest supervisor, Abingdon, Va. (WU, P-So).
- White Mountain.**—J. J. FRITZ, forest supervisor, Gorham, N. H. (WU, P-Am).

SERVICE CHANGES.

FURLoughed FOR MILITARY DUTY.

WASHINGTON OFFICE.—George A. Bentley, clerk; John J. Black, draftsman.

DISTRICT 1.—Charles J. Hash, forest ranger, St. Joe; Charles A. Skeels, clerk, district office.

DISTRICT 2.—John C. Peryam, forest ranger, Hayden; Horace B. Quivey, forest ranger, Hayden; Arthur M. Cook, forest supervisor, Routt; Harry C. Bennett, forest ranger, Uncompahgre.

DISTRICT 3.—Marinus Westveld, forest examiner, Lincoln; Lafayette S. Kartchner, forest ranger, Sitgreaves; Harrison D. Burrall, forest examiner.

DISTRICT 5.—S. W. Wynne, forest supervisor, Sequoia.

DISTRICT 6.—William M. H. Woodward, mineral examiner; Walter H. Leve, forest examiner; Claude E. Greider, forest examiner; Adolph Nilsson, forest ranger; Roy Muncaster, forest ranger; James F. Hutton, forest ranger; Christian N. Skaar, forest ranger; Lewis E. Weaver, forest assistant.

APPOINTED.

LABORATORY.—Don L. Quinn, specialist in shipping container experiments; Ray C. Tuttle, examiner in forest products; Edward R. Maurer, specialist in testing air-craft materials; Herbert L. Dohr, Francis S. Gombar, Lynn W. Lillesand, Irving D. Steffen, John F. Lorigan, jr., Karl F. Miller, Harold J. Pratt, Gaigee S. Roberts, Saul S. Switzky, Fred J. Wilhelm, laboratory helpers.

DISTRICT 1.—Johnathan S. Winder, Absaroka, Otis B. Parker, Bear-tooth, Chas. A. Kutzleb, Beaverhead, Chas. H. Lawrence, Blackfeet, Albert N. Cochrell and Wm. H. Knight, Clearwater, James W. Stanton, Custer, Leon L. Lake and Fred N. Thomson, Jefferson, Francis W. Horrigan, Missoula, George R. Bickel, Sioux, Roy P. Edwards, forest rangers; Ralph A. Cherry, Lolo, forest clerk; Agnes I. Mevig, Coeur d'Alene, Ruby E. Tippin, Kaniksu, clerks (stenographers and typewriters); Hugh Kent, draftsman.

DISTRICT 2.—Fay A. Kendig, Colorado, Marguerite A. Mulligan, Sopris, clerks (stenographers and typewriters); Lee R. Semones, San Isabel, clerk (typewriter); John A. Lubbe, Nebraska, forest clerk; Virgil C.

Holcomb, Holy Cross, Rich R. Thomson, Montezuma, Marcy M. Meaden, Routt, Clifford C. Spencer, Shoshone, forest rangers; Herbert F. Hedge, draftsman (copyist topographic); Marian E. Buckingham, telephone operator.

DISTRICT 3.—Elsie M. Fink, Coronado, Ethel M. Bartell, Gila, clerks (stenographers and typewriters); Jay Montgomery, Tusayan, forest clerk; J. Eugene Beatty, Coronado, Clarence E. Weatherford, Datil, Bent S. Benson and Roy M. Pierce, Tonto, Fred Allen Ray and Walter E. Wetmore, Tusayan, Edwin W. Cummings, Fort Valley, forest rangers. Edna L. Williams, clerk (typewriter).

DISTRICT 4.—Walter T. Berry, Boise, Edward R. Tuttle, Cache, Clarence D. Huestis, Weiser, forest rangers; Mamie L. Cahalan, Targhee, clerk (stenographer and typewriter); Isaac A. Smoot, collaborator; Emry E. Jones and Kathryn I. Melvin, clerks (typewriters); Heber J. Purdy, unskilled laborer; Allen R. Schwartzer, draftsman (copyist topographic); Joseph W. Tite, messenger boy; Alvin H. Johnson, minor clerk.

DISTRICT 5.—Katherine C. Davis, Lassen; Ethel K. Kinnear, Modoc, clerks (stenographers and typewriters); Claude W. Sopp, junior engineer.

DISTRICT 6.—Frank G. Cearns, forest clerk; Edith C. Wall, clerk (stenographer and typewriter); Gustaf W. Hult, R. Thomas Carter, Joseph W. Fulton, forest rangers; John W. S. Todd, messenger.

DISTRICT 7.—Joel O. Brigman, Lewis M. Carland, and Leory O'Kelley, Pisgah, Max McCullough, Cherokee-Georgia, Troy A. Simpkins, Wichita, James D. Ruble, Alabama, forest rangers; Martin C. Bowers, White Top, assistant forest ranger.

PROMOTED IN RANK.

DISTRICT 1.—R. A. Hamilton, deputy forest supervisor, Deerlodge, to forest supervisor, Clearwater; A. M. Baum, Beartooth, James E. Ryan, Pend Oreille, forest rangers to deputy forest supervisors; C. L. Billings, forest examiner to lumberman; W. M. Nagel, forest assistant to forest examiner.

DISTRICT 2.—Wallace J. Pearce, Colorado, forest assistant to forest examiner; Carl M. Stanley, Pike, clerk to deputy forest supervisor; Ray Peck, Routt, deputy forest supervisor to forest supervisor; Lynn H. Douglas, grazing examiner to inspector of grazing.

DISTRICT 3.—Fred Merkle, Manzano, forest ranger to scaler; Kenner C. Kartchner, Sitgreaves, Francis L. W. Grubb, Tusayan, forest rangers to deputy forest supervisors; Thomas Earl Wylder, Grand Canyon, deputy forest supervisor to forest supervisor; Morton M. Cheney, national forest examiner to law clerk (and assistant to the solicitor).

DISTRICT 5.—M. Raymond Tillotson, deputy forest supervisor, Stanislaus, to forest supervisor, Cleveland; Frank P. Cunningham, Sequoia,

deputy forest supervisor to forest supervisor; Clarence A. Chamberlain, Trinity, forest ranger to deputy forest supervisor; George W. Lyons, Sequoia, forest examiner to deputy forest supervisor.

DISTRICT 6.—Lorence A. Nelson, lumberman to logging engineer; Carl B. Neal, forest examiner to deputy forest supervisor.

DISTRICT 7.—John L. Cobbs, jr., forest examiner, Washington office, to forest supervisor, Arkansas; Leland Fouts, Cherokee-Georgia, assistant forest ranger to forest ranger.

CHANGE IN DESIGNATION.

DISTRICT 2.—Robert H. Easterbrooks, Medicine Bow, Andrew Hutton, Rio Grande, forest assistants to forest rangers.

DISTRICT 6.—George L. Drake, deputy forest supervisor to forest examiner.

DISTRICT 7.—Ralph C. Huey, forest supervisor to national forest examiner.

RESIGNED.

RESEARCH.—Benton MacKaye, forest examiner.

ACQUISITION.—L. H. Steffens, forest examiner.

LABORATORY.—James E. Imrie, assistant physicist; James Mathewson, engineer in forest products; Philip W. Codwise, Moritz L. Mueller, Milton H. Hostman, Cecil V. Maudlin, assistant engineers in forest products.

DISTRICT 1.—Scott Leavitt, Jefferson, forest supervisor; Lewis T. Morgan, Jefferson, S. St. J. Malven, Flathead, deputy forest supervisors; Dallas E. Galloway, Coeur d'Alene, Eugene J. Jacroux, Flathead, scalers; Jas. W. Gallogly, Bitterroot, Wm. E. Lockhart, Bear-tooth, August Yager and Albert E. Frutig, Coeur d'Alene, Wm. Berglund, Jefferson, Martin A. Murray, Kaniksu, Wm. H. McCoy, Madison, David F. McGill, Sioux, forest rangers; Margaret T. Douglass, Deer-lodge, Mabel F. Painton, Helena, Fannie E. Paulson, clerks (stenographers); R. J. Moore, national forest examiner; Knox McAnally, clerk.

DISTRICT 2.—Raymond G. Colwell, Fremont Experiment Station, forest clerk; James E. Martin, Bighorn, forest examiner; Thomas L. Northrop, Cochetopa, Theodore Shoemaker, Harney, Gustaf W. Gustafson and Hugh I. Smith, Holy Cross, Samuel Harry Clay, Leadville, John W. Wright, San Isabel, Walter G. Brown, San Juan, Joseph B. Hull, Sopris, forest rangers; Jane Dyer, clerk (stenographer and typewriter); Mrs. Margaret Cummings, telephone operator.

DISTRICT 3.—Charles H. Jennings, Lincoln, forest supervisor; Grace M. Sweeney, Coronado, clerk (typewriter); Herbert B. Fay, Coconino, Lewis J. Mundell, Datil, James W. Girdner, Tusayan, forest rangers,

Charles N. Kachlmeier, Fort Valley, Mrs. Edith P. K. Hall, clerks (stenographers and typewriters); Aldo Leopold, forest examiner; Cecil R. Heighes, messenger boy.

DISTRICT 4.—Verne W. Earls, Ashley, Frank E. Gray, Boise, John L. Allen, Bridger, Allan Williams, Challis, J. Roy Boren and Maurice B. Cross, Humboldt, Franklin A. Hamilton, Idaho, Charles P. Thompson, Nevada, Clarence L. McCracken, Salmon, Amos N. Davis, Teton, Thomas Evans and Ellis B. Snow, Weiser, Frederick C. Haman, forest rangers; Edward A. Pfefferle, Minidoka, forest clerk; Vivian N. Gwin, Powell, clerk (stenographer and typewriter); John E. Ingram, Wasatch, forest examiner; Howard D. Harris, Utah Experiment Station, Lulu L. Cloudman, clerks (typewriters); Anton I. Lubeck, laborer; Dorris Williams, clerk (stenographer and typewriter); James M. Fetherolf, forest examiner.

DISTRICT 5.—Gertrude B. Jameson, Lassen, clerk (stenographer and typewriter); Walter J. Zachau, Angeles, John B. Simmons, Cleveland, Fred Seaborn, Lassen, forest rangers; Knower Mills, Klamath, forest examiner; H. G. Merrill, Monterey, forest supervisor; Ernest B. Long, Shasta, lumberman; Jos. C. Quast, Trinity, forest clerk; Ralph W. Sinfeld, blueprinter; Luther H. Whiteman, district assistant in forest education.

DISTRICT 6.—Robert Craig, jr., deputy forest supervisor; Charles H. Woodcock, logging engineer; Grover C. Simmons, Edward E. Harpham, scalers; David H. Blakelock, draftsman; William L. Bishop, U. LeRoi Upson, clerks; Ernest E. Shank, forest clerk; Carl N. Miller, E. George Williams, Joseph L. Jacob, Albert W. Lewis, Clarence Anderson, Peter A. Dixon, Homer J. Ireland, Hugh C. Austin, forest rangers; Oliver A. Barr, messenger.

DISTRICT 7.—Dave Winbray and James M. Wait, Arkansas, forest rangers; W. D. Jones and John W. Ryals, Arkansas, assistant forest rangers; C. L. Smith, national forest examiner.

DISMISSED.

DISTRICT 4.—Glidden J. Barstow, Wyoming, forest ranger.

With deep regret announcement is made of the death of Stanley R. Auspurger and Roy Muncaster, members of the Twentieth Engineers, who lost their lives in the sinking of the transport *Tuscania*, and Osmund H. Tibbott, clerk, Washington office, January 20.

SERVICE NOTES FOR APRIL.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

United States *v.* W. S. Alexander: Grazing trespass, civil, Cabinet National Forest. Case closed upon payment of \$4.68, value of forage consumed.

United States *v.* Carl Beardslee: Grazing trespass, civil, Beaverhead National Forest. Case closed upon payment of \$219.75, value of forage consumed.

United States *v.* J. H. Bras: Grazing trespass, civil, Cabinet National Forest. Case closed upon payment of \$4.18, value of forage consumed.

United States *v.* Harold Flower: Grazing trespass, civil, Cabinet National Forest. Case closed upon payment of \$7.52, value of forage consumed.

United States *v.* W. G. Jones: Grazing trespass, civil, Cabinet National Forest. Case closed upon payment of \$9.75, value of forage consumed.

United States *v.* E. B. Kenniston: Grazing trespass, civil, Gallatin National Forest. Case closed upon payment of \$62.50, value of forage consumed.

United States *v.* James Lewis: Grazing trespass, civil, Missoula National Forest. Case closed upon payment of \$7.50, value of forage consumed.

United States *v.* Mountain Park Farm Co.: Grazing trespass, civil, Gallatin National Forest. Case closed upon payment of \$75, value of forage consumed.

United States *v.* William Watt: Grazing trespass, civil, Custer National Forest. Case closed upon payment of \$11.73, value of forage consumed.

United States *v.* Joseph Guntensperger: Property trespass, criminal, Coeur d'Alene National Forest. Defendant held by United States commissioner at Kellogg, Idaho, for action of Federal grand jury. Offense, cutting Government fence.

State of Montana v. Miles E. Brown: Beartooth National Forest. Brown, a former forest guard, had issued bad checks on the strength of his former position. Plead guilty at Livingston, Mont., February 9, 1918. Sentenced for from two to four years in the State penitentiary.

United States v. H. J. Ziegler: Timber trespass, civil, Blackfeet National Forest. Case closed upon payment of \$110.92, value of timber cut.

Law Cases in District 2—

United States v. Colorado Power Co.: Occupancy trespass, Holy Cross National Forest. Defendant company paid into court the sum of \$5,815.55, the full amount claimed by the Government for the use of its lands up to January 1, 1915, and the district court then dismissed the Government's bill of complaint. Recommendation made to Department of Justice that an appeal be filed.

United States v. Colorado and Southern Railroad Co.: Fire trespass, Pike National Forest. Defendant paid to the United States attorney the sum of \$655.98 and costs, the full amount of damages claimed.

United States v. William A. Smith: Occupancy trespass, Harney National Forest. Case closed on payment of \$37.46, the amount of damages claimed.

United States v. C. J. Betts: Occupancy trespass, Cochetopa National Forest. Case closed on payment of \$9.24, the amount of damages claimed.

United States v. Western Colorado Power Co.: Occupancy trespass, Montezuma National Forest. Preliminary injunction in favor of the Government made permanent, and case closed.

United States v. May & Campbell: Grazing trespass, Battlement National Forest. Case closed on payment of \$217.50, the amount of damages claimed.

Law Cases in District 3—

United States v. S. T. Harrison: Timber trespass, Coronado National Forest. Case closed on payment of \$24.20, actual damages.

United States v. C. W. Young: Grazing trespass, Apache National Forest. Case closed on payment of agreed sum of \$48.

United States v. W. F. Thompson: Grazing trespass, Lincoln National Forest. Case closed on payment of \$8.33, the value of the forage.

United States v. Sutton & Perkins: Grazing trespass, Prescott National Forest. Case closed on payment of \$30, the value of the forage.

United States v. Manuel B. Otero: Grazing trespass, Datil National Forest. Case closed on payment of agreed sum of \$53.55.

United States v. E. M. Durham: Grazing trespass, Prescott National Forest. Case closed on payment of \$35.40, actual damages.

United States v. Lorenzo P. Garcia: Grazing trespass, Datil National Forest. Case closed on payment of \$19.87, actual damages.

United States v. E. Wine: Grazing trespass, Prescott National Forest. Case closed on payment of \$43.75, actual damages.

United States v. W. P. Griffin: Grazing trespass, Tusayan National Forest. Case closed on payment of \$381.50, actual damages.

United States v. Babbitt Bros.: Grazing trespass, Tusayan National Forest. Case closed on payment of \$309, actual damages.

United States v. Herbert G. Babbitt: Grazing trespass, Tusayan National Forest. Case closed on payment of \$437.50, actual damages.

United States v. Martin Buggeln: Grazing trespass, Tusayan National Forest. Case closed on payment of \$237, actual damages.

United States v. Geo. C. Morse & Co.: Grazing trespass, Tonto National Forest. Case closed on payment of \$162, actual and \$50 punitive damages.

United States v. R. B. Corbett: Grazing trespass, Tusayan National Forest. Case closed on payment of \$432.63, actual damages.

United States v. Babbitt-Polson Co.: Grazing trespass, Tusayan National Forest. Case closed on payment of \$3.75, actual damages.

United States v. B. F. Sweetwood: Grazing trespass, Tusayan National Forest. Case closed on payment of \$203.75, actual damages.

United States v. T. D. Burns: Grazing trespass, Carson National Forest. Case closed on payment of \$23.20, actual damages.

United States v. Colin Campbell: Grazing trespass, Prescott National Forest. Case closed on payment of \$61, including \$50 punitive damages.

United States v. Cleofes Romero: Timber trespass, Manzano National Forest. Case closed on payment of \$1,060.52, actual damages.

United States v. Franz Cooper: Grazing trespass, Tonto National Forest. Case closed on payment of \$153.67, actual damages, with \$5 estimated costs.

United States v. A. F. Polson: Grazing trespass, Tusayan National Forest. Case closed on payment of \$184.25, actual damages.

United States v. Mrs. Elizabeth Holden: Grazing trespass, Tusayan National Forest. Case closed on payment of \$87, actual damages.

United States v. I. M. Jackson: Grazing trespass, Tusayan National Forest. Case closed on payment of \$595.50, actual damages.

United States v. Leslie J. Ake: Grazing trespass, Datil National Forest. Stock removed on demand, and case closed on payment of agreed amount of \$20.40.

United States v. R. F. Keene & E. Roseberry: Grazing trespass, Gila National Forest. Decree pro confesso obtained requiring removal of stock and enjoining against further trespass.

United States v. B. A. & N. J. Cameron: Occupancy trespass, Grand Canyon. Appeal by defendant from injunction issued by District Court for District of Arizona argued before the Circuit Court of Appeals for the Ninth District.

Ralph H. Cameron v. W. W. Bass: Writ of error from the Supreme Court of Arizona to the Supreme Court of the United States secured by the plaintiff, and transcript being prepared.

United States v. Theodore Cannard: Occupany trespass, Carson National Forest. Final hearing, and decree obtained requiring removal of fence erected by defendant in trespass on alleged mill site.

State of Arizona v. J. H. Silvester: Criminal libel, Coconino National Forest. Trial by jury, and defendant found guilty. Motion for new trial pending.

United States v. Francisco Borunda, jr. Grazing trespass, Lincoln National Forest. Case closed on payment of \$10.35, actual damages.

United States v. J. H. Steen: Grazing trespass, Datil National Forest. On second demand, case closed on payment of \$72.50, actual, and \$100, punitive damages.

United States v. Medler Bros.: Grazing trespass. Tonto National Forest. Case closed on payment of \$224.92, actual damages.

United States v. Santos Ortega: Grazing trespass, Prescott National Forest. Case closed on payment of \$41.25, actual damages.

Law Cases in District 4—

Geo. W. Emigh v. Matthews et al: Special, Minidoka National Forest. Suit brought by Emigh claiming as a squatter in a National Forest to enjoin Matthews and others, permittees of the Forest Service, from watering sheep at a spring within the squatter location. Decision by Idaho State court that a squatter location within the Forest is invalid and that the injunction could not be maintained.

United States v. Grand Canyon Cattle Co.: Suit to vacate patents issued to Saunders and Haley for mineral claims alleged to have been taken to control desert watering places. Decision of the United States Circuit Court of Appeals at San Francisco, sustaining decision of United States District Court for Arizona, that Grand Canyon Cattle Co. was an innocent purchaser and entitled to retain the lands.

Law Cases in District 5—

United States v. Alpine Land & Reservoir Co.: Easement for reservoir sites, Mono National Forest. Case argued in District Court. Judge rendered a decision in favor of the Government, canceling the grant. Final decree filed.

United States v. Kern River Co.: Easement, Sequoia National Forest. Case submitted to court and the motion to dismiss was overruled on the ground that the amended bill showed sufficient allegations of fraud to sustain it.

United States v. W. J. Davis, et al.: Fire trespass, California National Forest. Defendants tried at Sacramento, Cal., March 4 and 5. Verdict of acquittal for West; disagreement as to Hulett and Davis, the last-named defendants to be retried in April.

United States v. San Pedro, Los Angeles & Salt Lake Railroad Co.: Fire trespass, Angeles National Forest. Case set for hearing March 26, 1918. Defendant indicated a desire to compromise for \$1,150. Total amount involved, \$1,464.27. Case postponed and offer under consideration.

United States *v.* Oscar Hotchkiss: Grazing trespass, Modoc National Forest. Complaint filed. Offer of settlement in full made by defendant.

United States *v.* John Dennehy: Grazing trespass, Modoc National Forest. Complaint filed.

United States *v.* R. L. Hill: Timber trespass, Sequoia National Forest. Payment of \$50 received from trespasser in part payment of judgment for \$110.16.

United States *v.* J. Sario: Grazing trespass, Mono National Forest. Payment of \$56 received in full settlement and case closed.

United States *v.* John Ammirati: Grazing trespass, Shasta National Forest. Payment of \$75 received in full settlement and case closed.

United States *v.* Weed Lumber Co.: Timber trespass, Shasta National Forest. Payment of \$19.20 received in full settlement and case closed.

Law Cases in District 6—

United States *v.* Hartford & Eastern Railway Co. and Northern Pacific Railway: Rates on logs, Snoqualmie National Forest. Petition of Forest Service granted January 2, and Hartford & Eastern and Northern Pacific Railway Cos. directed to establish rate on logs of \$1.60 to Everett and \$1.75 to Kirkland. The rates quoted and against which complaint was filed were \$2.40 and \$3.20, respectively.

United States *v.* P. J. McHugh and P. J. McHugh Paving and Construction Co.: Fire trespass, civil, Snoqualmie National Forest. Motion for new trial denied January 25.

United States *v.* Yakima Meat Co.: Grazing trespass, Rainier National Forest. Case closed March 27 on payment of \$200 (\$100 actual and \$100 punitive damages).

United States *v.* C. R. Hursst: Fire trespass, Santiam National Forest. Defendant plead guilty to information December 28, 1917, and was fined \$25.

United States *v.* W. H. Harris: Grazing trespass, Oregon National Forest. Indictment returned March 1.

United States *v.* John Heart: Timber trespass, Minam National Forest. Case closed upon payment of \$9.99, February 15, 1918.

United States *v.* Amos Pennoyer: Timber trespass, Minam National Forest. Case closed upon payment of \$38.34, February 23, 1918.

United States *v.* G. C. Tucker: Grazing trespass, Minam National Forest. Case closed upon payment of \$12, March 11, 1918.

United States *v.* J. H. Chatten: Grazing trespass, Wallowa National Forest. Case closed upon payment of \$6, March 25.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 580.—Effects of Grazing upon Western Yellow Pine Reproduction in the National Forests of Arizona and New Mexico.

Department Bulletin 604.—Incense Cedar.

Department Bulletin 605.—Lumber Used in the Manufacture of Wooden Products.

Department Bulletin 620.—Effect of Varying Certain Cooking Conditions in the Production of Sulphite Pulp from Spruce.

Farmers' Bulletin 888.—Advice to Forest Planters in the Plains Regions.

Report No. 115.—The Distribution of Softwood Lumber in the Middle West.—Wholesale.

Report No. 116.—The Distribution of Softwood Lumber in the Middle West.—Retail.

Unnumbered Publication.—Forestry Laws of Colorado.

Unnumbered Publication.—Forestry Laws of West Virginia.

Unnumbered Publication.—Area Table.

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

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